

10/579,253

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NEWS	14	APR 07	CA/CAPLUS CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
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NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,  
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.22

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STRUCTURE FILE UPDATES: 16 MAY 2010 HIGHEST RN 1224049-79-9

DICTIONARY FILE UPDATES: 16 MAY 2010 HIGHEST RN 1224049-79-9

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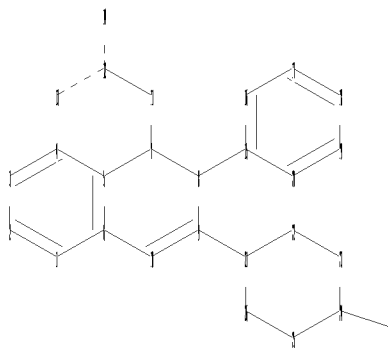
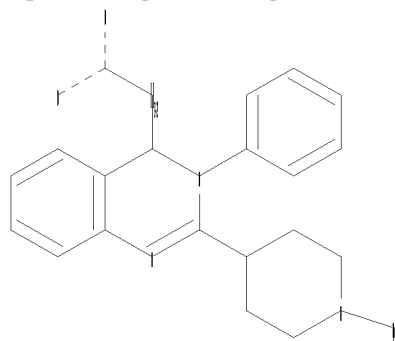
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10579253.str



chain nodes :

11 12 13 14 27

ring nodes :

1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20 21 22 23 24 25 26

chain bonds :

7-11 8-15 9-21 11-12 12-13 12-14 24-27

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 15-16 15-20 16-17 17-18  
18-19 19-20 21-22 21-26 22-23 23-24 24-25 25-26

exact/norm bonds :

10/579,253

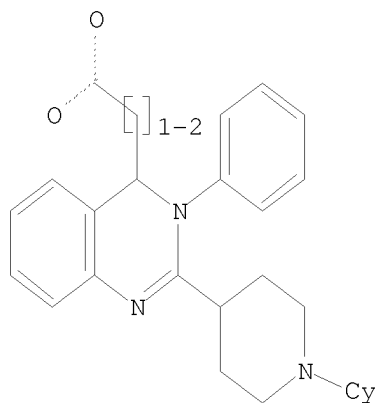
5-7 6-10 7-8 8-9 8-15 9-10 12-13 12-14 24-27  
exact bonds :  
7-11 9-21 11-12 21-22 21-26 22-23 23-24 24-25 25-26  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20  
isolated ring systems :  
containing 1 : 15 : 21 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full  
FULL SEARCH INITIATED 17:12:18 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 39 TO ITERATE

100.0% PROCESSED 39 ITERATIONS 27 ANSWERS  
SEARCH TIME: 00.00.01

L2 27 SEA SSS FUL L1

=> file reg  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 191.54 191.76

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STRUCTURE FILE UPDATES: 16 MAY 2010 HIGHEST RN 1224049-79-9  
DICTIONARY FILE UPDATES: 16 MAY 2010 HIGHEST RN 1224049-79-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.49	192.25

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FILE COVERS 1907 - 17 May 2010 VOL 152 ISS 21  
FILE LAST UPDATED: 16 May 2010 (20100516/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L3 1 L2

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=> d l3 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:451375 CAPLUS

DOCUMENT NUMBER: 143:7722

TITLE: Preparation of dihydroquinazolines as antiviral agents

INVENTOR(S): Wunberg, Tobias; Baumeister, Judith; Jeske, Mario;  
Nell, Peter; Nikolic, Susanne; Suessmeier, Frank;  
Zimmermann, Holger; Grosser, Rolf; Hewlett, Guy;  
Keldenich, Joerg; Lang, Dieter; Henninger, Kerstin

PATENT ASSIGNEE(S): Bayer Healthcare A.-G., Germany

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

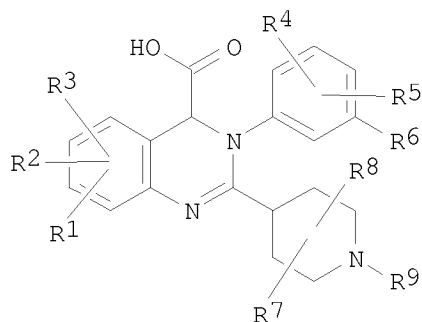
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005047278	A2	20050526	WO 2004-EP12175	20041028
WO 2005047278	A3	20050721		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10352499	A1	20050609	DE 2003-10352499	20031111
CA 2545307	A1	20050526	CA 2004-2545307	20041028
EP 1685123	A2	20060802	EP 2004-790948	20041028
EP 1685123	B1	20090819		
R:	DE, ES, FR, GB, IT			
JP 2007510680	T	20070426	JP 2006-538702	20041028
ES 2328929	T3	20091119	ES 2004-790948	20041028
US 20070281953	A1	20071206	US 2006-579253	20060511
PRIORITY APPLN. INFO.:			DE 2003-10352499	A 20031111
			WO 2004-EP12175	W 20041028

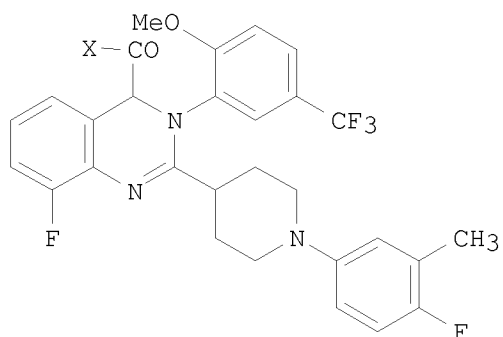
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:7722

GI



I



II

AB Title compds. I [R1, R2, R3 = H, alkyl, carboxyl, etc.; R4, R5 = H, alkyl, alkoxy, etc.; R6 = alkyl, CN, halo, etc.; R7, R8 = H, halo, alkyl, etc.; R9 = (un)substituted aryl, 1,3-benzodioxol-5-yl] and their pharmaceutical salts and formulations were prepared For example, saponification of Me ester

II (X = OMe), afforded the hydrochloride salt of dihydroquinazoline II (X = OH) in 24% yield. In human cytomegalovirus (HCMV) assays, 4-examples of compds. I exhibited EC50 values ranging from 0.03-0.15  $\mu$ M, e.g., the EC50 of dihydroquinazoline III hydrochloride was 0.03  $\mu$ M. Compds. I are claimed to be useful in the treatment of human cytomegalovirus (HCMV) infections.

IT	852415-27-1P	852415-28-2P	852415-29-3P
	852415-30-6P	852415-31-7P	852415-32-8P
	852415-33-9P	852415-34-0P	852415-35-1P
	852415-36-2P	852415-37-3P	852415-38-4P
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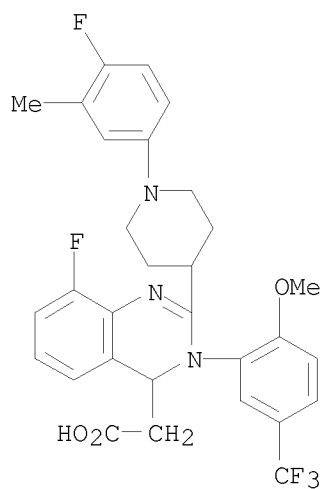
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of dihydroquinazolines as antiviral agents)

RN 852415-27-1 CAPLUS

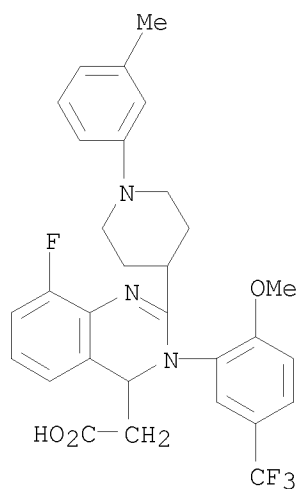
CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluoro-3-methylphenyl)-4-piperidinyl]-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

10/579,253



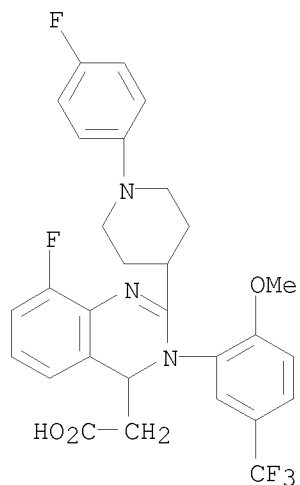
● HCl

RN 852415-28-2 CAPLUS  
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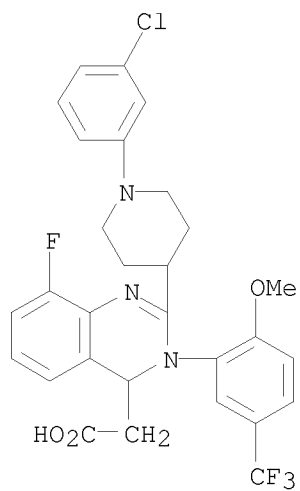
RN 852415-29-3 CAPLUS  
CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]- (CA INDEX NAME)

10/579,253



RN 852415-30-6 CAPLUS

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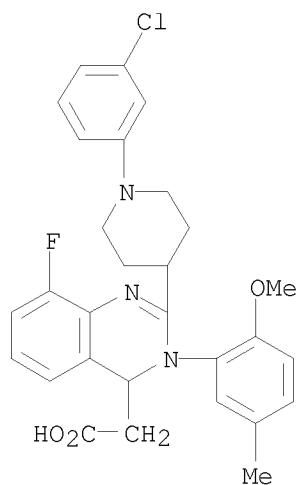


RN 852415-31-7 CAPLUS

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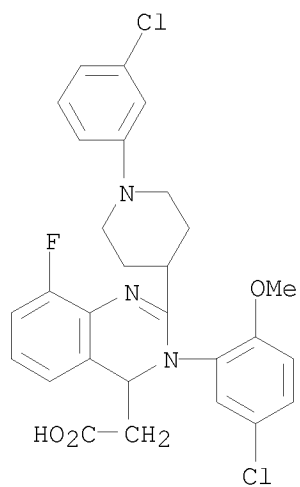


10/579,253



RN 852415-32-8 CAPLUS

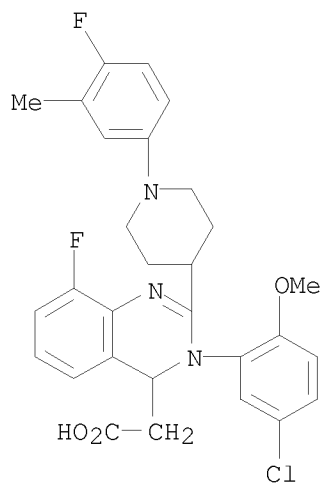
CN 4-Quinazolineacetic acid, 3-(5-chloro-2-methoxyphenyl)-2-[1-(3-chlorophenyl)-4-piperidiny]-8-fluoro-3,4-dihydro- (CA INDEX NAME)



RN 852415-33-9 CAPLUS

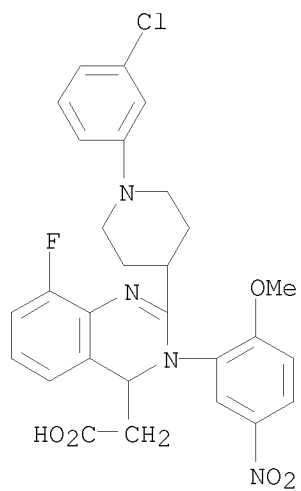
CN 4-Quinazolineacetic acid, 3-(5-chloro-2-methoxyphenyl)-8-fluoro-2-[1-(4-fluoro-3-methylphenyl)-4-piperidiny]-3,4-dihydro- (CA INDEX NAME)

10/579,253



RN 852415-34-0 CAPLUS

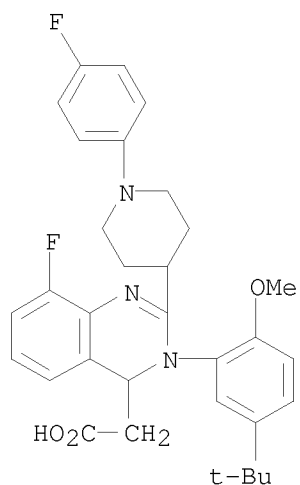
CN 4-Quinazolineacetic acid, 2-[1-(3-chlorophenyl)-4-piperidinyl]-8-fluoro-3,4-dihydro-3-(2-methoxy-5-nitrophenyl)- (CA INDEX NAME)



RN 852415-35-1 CAPLUS

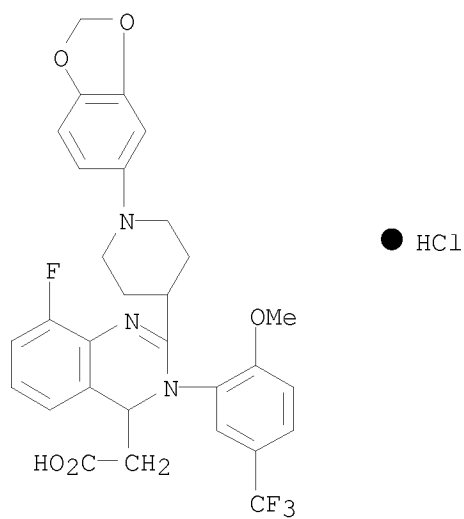
CN 4-Quinazolineacetic acid, 3-[5-(1,1-dimethylethyl)-2-methoxyphenyl]-8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3,4-dihydro- (CA INDEX NAME)

10/579,253



RN 852415-36-2 CAPLUS

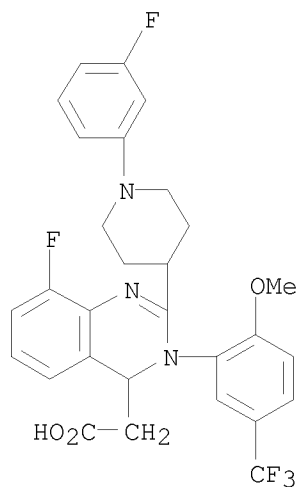
CN 4-Quinazolineacetic acid, 2-[1-(1,3-benzodioxol-5-yl)-4-piperidinyl]-8-fluoro-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



RN 852415-37-3 CAPLUS

CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(3-fluorophenyl)-4-piperidinyl]-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

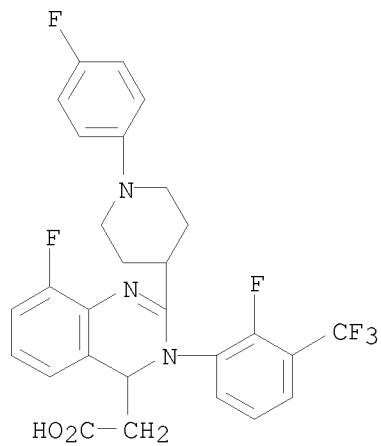
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● HCl

RN 852415-38-4 CAPLUS

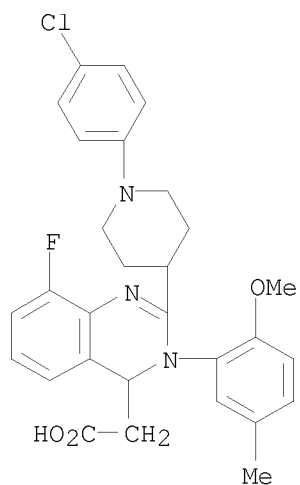
CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3-[2-fluoro-3-(trifluoromethyl)phenyl]-3,4-dihydro- (CA INDEX NAME)



RN 852415-39-5 CAPLUS

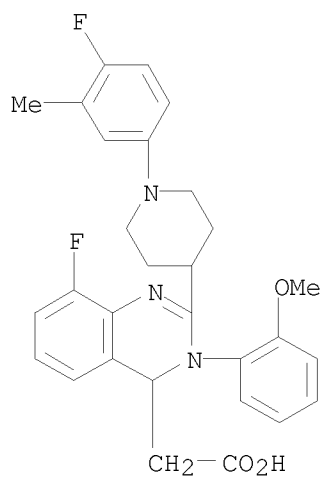
CN 4-Quinazolineacetic acid, 2-[1-(4-chlorophenyl)-4-piperidinyl]-8-fluoro-3-(2-methoxy-5-methylphenyl)-3,4-dihydro- (CA INDEX NAME)

10/579,253



RN 852415-40-8 CAPLUS

CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluoro-3-methylphenyl)-4-piperidinyl]-3,4-dihydro-3-(2-methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

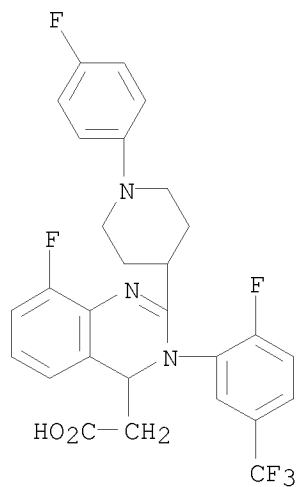


● HCl

RN 852415-41-9 CAPLUS

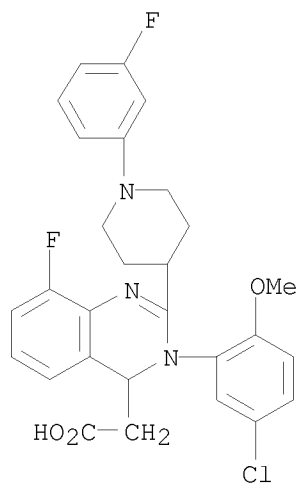
CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3-[2-fluoro-5-(trifluoromethyl)phenyl]-3,4-dihydro- (CA INDEX NAME)

10/579,253



RN 852415-42-0 CAPLUS

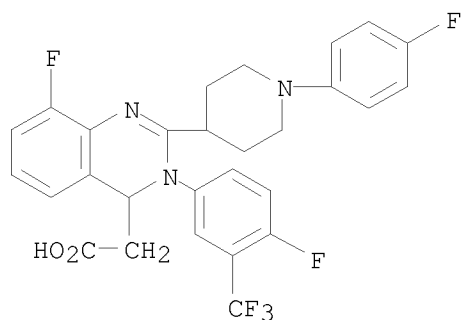
CN 4-Quinazolineacetic acid, 3-(5-chloro-2-methoxyphenyl)-8-fluoro-2-[1-(3-fluorophenyl)-4-piperidinyl]-3,4-dihydro- (CA INDEX NAME)



RN 852415-43-1 CAPLUS

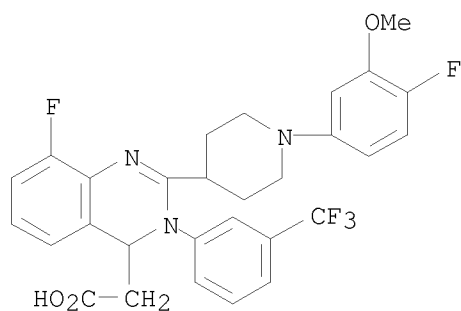
CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3-[4-fluoro-3-(trifluoromethyl)phenyl]-3,4-dihydro- (CA INDEX NAME)

10/579,253



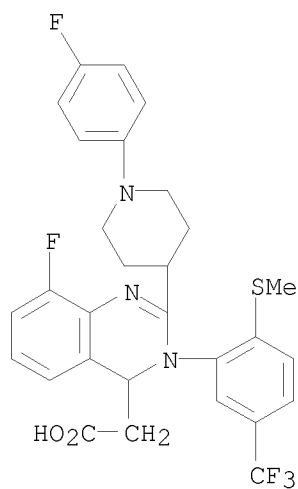
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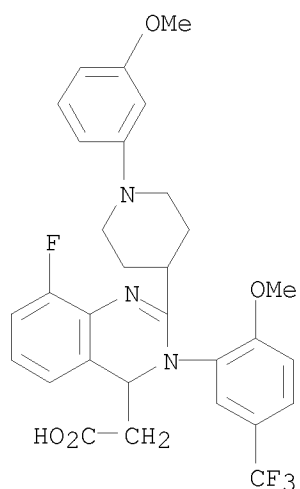
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CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluorophenyl)-4-piperidinyl]-3,4-dihydro-3-[2-(methylthio)-5-(trifluoromethyl)phenyl]- (CA INDEX NAME)

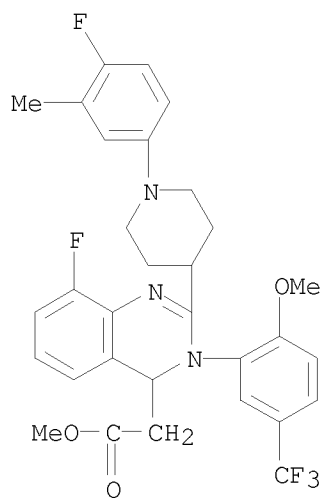


RN 852415-66-8 CAPLUS

CN 4-Quinazolineacetic acid, 8-fluoro-3,4-dihydro-2-[1-(3-methoxyphenyl)-4-piperidinyl]-3-[2-methoxy-5-(trifluoromethyl)phenyl]- (CA INDEX NAME)



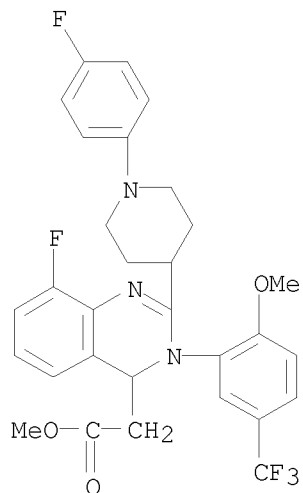
IT 852415-62-4P 852415-63-5P 852415-64-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of dihydroquinazolines as antiviral agents)  
 RN 852415-62-4 CAPLUS  
 CN 4-Quinazolineacetic acid, 8-fluoro-2-[1-(4-fluoro-3-methylphenyl)-4-  
 piperidinyl]-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-, methyl  
 ester (CA INDEX NAME)



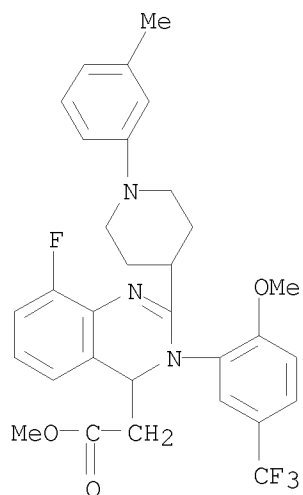
RN 852415-63-5 CAPLUS  
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 3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-, methyl ester (CA  
 INDEX NAME)



10/579,253



RN 852415-64-6 CAPLUS  
CN 4-Quinazolineacetic acid, 8-fluoro-3,4-dihydro-3-[2-methoxy-5-(trifluoromethyl)phenyl]-2-[1-(3-methylphenyl)-4-piperidinyl]-, methyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)  
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 17:11:34 ON 17 MAY 2010)

FILE 'REGISTRY' ENTERED AT 17:11:51 ON 17 MAY 2010

L1 STRUCTURE UPLOADED

L2 27 S L1 FULL

FILE 'REGISTRY' ENTERED AT 17:12:30 ON 17 MAY 2010

10/579,253

FILE 'CAPLUS' ENTERED AT 17:12:34 ON 17 MAY 2010  
L3 1 S L2

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

XXXXXXXXXXXXXXXXXXXX
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-0.85	-0.85
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STN INTERNATIONAL LOGOFF AT 17:13:24 ON 17 MAY 2010